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**Abstract**

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The present invention provides pharmaceutical compositions comprising *Mucuna pruriens* seeds or one or more *Mucuna pruriens* seed components, substances, fractions or mixtures or substances obtained therefrom. Furthermore, the invention relates to the use of *Mucuna pruriens* seed powder or one or more *Mucuna pruriens* components, substances, fractions or mixtures or substances obtained therefrom for the preparation of a pharmaceutical composition for preventing, alleviating or treating neurological diseases. Additionally, the invention relates to the use of *Mucuna pruriens* seeds for the preparation of a pharmaceutical composition for neuroprotection or neurostimulation and to methods of preparing extracts of *Mucuna pruriens* which can be used for the preparation of a pharmaceutical composition for treating neurological diseases. Finally, the invention relates to the use of *Mucuna pruriens* seeds for the preparation of a pharmaceutical composition for the treatment of Parkinson's Disease to obtain a broader therapeutic window in L-Dopa therapy, to delay a need for combination therapy, to obtain an earlier onset and longer duration of L-Dopa efficacy, and to prevent or alleviate acute and chronic L-Dopa toxicity.